

Title (en)
PROCESS FOR PRODUCING DECORATIVE SHEET, DECORATIVE SHEET, AND DECORATIVE MOLDED ARTICLE OBTAINED USING SAME

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER SCHMUCKFOLIE, SCHMUCKFOLIE UND DAMIT HERGESTELLTER SCHMUCKFORMARTIKEL

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE FEUILLE DÉCORATIVE, FEUILLE DÉCORATIVE ET OBJET DÉCORATIF MOULÉ OBTENU EN UTILISANT CELLE-CI

Publication
EP 2589440 A4 20150107 (EN)

Application
EP 11800966 A 20110630

Priority
• JP 2010150581 A 20100630
• JP 2011065084 W 20110630

Abstract (en)
[origin: EP2589440A1] The present invention relates to a production process for a decorative sheet comprising a step in which a primer layer is formed on a releasing film having a smooth surface, a step in which a design layer is formed on the above primer layer, a step in which the primer layer and the design layer are transferred on a base material, a step in which the releasing film on the base material is peeled off, a step in which an ionizing radiation curable resin composition is laminated on the primer layer formed on the base material and a step in which the above ionizing radiation curable resin composition is cross-linked and cured to form a surface protective layer. Capable of being provided is a decorative sheet of a high gloss which keeps a surface smoothness and a gloss and maintains a design feeling even after three-dimensional molding such as insert molding, injection molding simultaneous decoration and the like and which is less liable to generate dents and wounds on a surface by wrapping therein foreign matters even when winding the decorative sheet on a roll and less liable to produce scratches and wrinkles by bringing a surface and a rear face of the decorative sheet into close contact with each other.

IPC 8 full level
B05D 5/06 (2006.01); **B05D 3/06** (2006.01); **B05D 7/04** (2006.01); **B32B 27/00** (2006.01); **B32B 27/16** (2006.01); **B44C 1/17** (2006.01); **B44C 5/04** (2006.01)

CPC (source: EP KR US)
B05D 3/06 (2013.01 - KR); **B05D 5/06** (2013.01 - KR); **B05D 7/04** (2013.01 - KR); **B32B 27/16** (2013.01 - EP KR US); **B32B 33/00** (2013.01 - US); **B44C 1/1712** (2013.01 - EP US); **B44C 1/1725** (2013.01 - EP US); **B44C 1/24** (2013.01 - US); **B44C 5/0453** (2013.01 - EP US); **B29C 45/14811** (2013.01 - EP US); **B29C 2045/14237** (2013.01 - EP US); **B29K 2995/002** (2013.01 - EP US); **B29K 2995/0087** (2013.01 - EP US); **B60R 13/02** (2013.01 - EP US); **Y10T 428/24355** (2015.01 - EP US); **Y10T 428/24736** (2015.01 - EP US)

Citation (search report)
• [YA] DE 19949898 A1 20010517 - HOECHST TRESPAPHAN GMBH [DE]
• [YA] WO 03039880 A2 20030515 - WIPAK WALSRÖDE GMBH & CO KG [DE], et al
• [IA] DE 19619462 C1 19970710 - AUER HANS [CH]
• [A] EP 0611102 A1 19940817 - COURTAULDS FILMS HOLDINGS [GB]
• See references of WO 2012002504A1

Cited by
FR3076245A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2589440 A1 20130508; EP 2589440 A4 20150107; EP 2589440 B1 20190807; CN 103108704 A 20130515; CN 103108704 B 20150902; JP 2012011321 A 20120119; JP 5609324 B2 20141022; KR 101798683 B1 20171116; KR 20130115107 A 20131021; US 11123969 B2 20210921; US 2013101793 A1 20130425; US 2014272293 A1 20140918; US 2018178497 A1 20180628; US 8801888 B2 20140812; WO 2012002504 A1 20120105

DOCDB simple family (application)
EP 11800966 A 20110630; CN 201180032774 A 20110630; JP 2010150581 A 20100630; JP 2011065084 W 20110630; KR 20127033976 A 20110630; US 201113807081 A 20110630; US 201414291258 A 20140530; US 201815901163 A 20180221